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PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Patent Application of**

**Confirmation No.: Not Known**

SUOMALAINEN et al.

Atty. Ref.: 227-159

Appln. No. 10/533,816

T.C. / Art Unit: Not Known

Filed: May 3, 2005

Examiner: Not Known

**FOR: METHOD FOR INHIBITING YEAST GROWTH**

# **INFORMATION DISCLOSURE STATEMENT**

July 18, 2005

U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is Form PTO-1449 listing U.S. patents and the enclosed documents. To assist in the review of English-language documents, the following belong to the same patent family: (1) US 5,378,458, EP 0576780, and FI 92498; and (2) WO 02/060276, US 2004/062758, EP 1359816, FI 109602, and FI 20010157.

This Information Disclosure Statement (IDS) is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under 37 CFR § 1.97(f), to enable Applicants to comply fully. In particular, if any of the listed documents are missing or incomplete, please contact the undersigned who will provide another copy.

As provided by 37 CFR §§ 1.97(g) and (h), no inference should be made that this information and the listed references are prior art merely because they have been

submitted for consideration. Furthermore, no representation is being made that a search has been conducted or that this statement encompasses all possible material information.

Consideration of the foregoing and enclosures, as well as the return of a copy of the Form PTO-1449 with the Examiner's initials per M.P.E.P. § 609, are earnestly solicited. The Examiner is invited to contact the undersigned if any further information is needed.

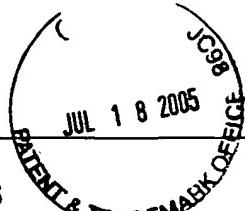
Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By:

  
Gary R. Tanigawa  
Reg. No. 43,180

901 North Glebe Road, 11th Floor  
Arlington, VA 22203-1808  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100

INFORMATION DISCLOSURE  
CITATION

APPLN. NO.

10/553,816

ATTY. DKT. NO.

227-159

APPLICANT

SUOMALAINEN et al.

(Use several sheets if necessary)

FILING DATE

GROUP

May 3, 2005

Not Known

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AR						
BR						
CR						

## FOREIGN PATENT DOCUMENTS

TRANSLATION

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
DR	0576780	11/1998	EP			
ER						
FR						
GR						
HR						
IR						
JR						
KR						
LR						
MR						

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

NR	Budtz-Jørgensen et al. "Oral candidosis in long-term hospital care: Comparison of edentulous and dentate subjects" <i>Oral Diseases</i> 2:285-290 (1996)
OR	Budtz-Jørgensen et al. "Effects of an oral health program on the occurrence of oral candidosis in a long-term care facility" <i>Community Dent. Oral Epidemiol.</i> 28:141-149 (2000)
PR	Cooper et al. "Yeasts of Medical Importance" <i>Manual of Clin. Microbiol.</i> 4 <sup>th</sup> Ed., Chapter 49, pg. 526 (1985)
QR	Fitzsimmons et al. "Inhibition of <i>Candida albicans</i> by <i>Lactobacillus acidophilus</i> : Evidence for the involvement of a peroxidase system" <i>Microbios</i> 80:125-133 (1994)
RR	Goldin et al. "Survival of <i>Lactobacillus</i> species (strain GG) in human gastrointestinal tract" <i>Diges. Dis. Sci.</i> 37:121-128 (1992)
SR	Hatakka et al., "Effect of long term consumption of probiotic milk on infections in children attending day care centres: Double blind, randomised trial" <i>BMJ</i> 322:1 and 4-5 (2001)
TR	Hilton et al. "Ingestion of yogurt containing <i>Lactobacillus acidophilus</i> as prophylaxis for candidal vaginitis" <i>Ann. Int. Med.</i> 116:353-357 (1992)
UR	Jack et al. "Evidence for the involvement of thiocyanate in the inhibition of <i>Candida albicans</i> by <i>Lactobacillus acidophilus</i> " <i>Microbios</i> 62:37-46 (1990)
VR	Kaila et al. "Enhancement of the circulating antibody secreting cell response in human diarrhea by a human <i>Lactobacillus</i> strain" <i>Pediatr. Res.</i> 32:141-144 (1992)
WR	Lockhart et al. "Natural defenses against candida colonization breakdown in the oral cavities of the elderly" <i>J. Dent. Res.</i> 78:857-868 (1999)
XR	Macfarlane et al. "Contribution of the microflora to proteolysis in the human large intestine" <i>J. Appl. Bacteriol.</i> 64:37-46 (1988)
YR	Kahanpää "B. Hiivasienet" <i>Lääketieteellinen Mikrobiologia</i> , pp. 270-271 (1988)
ZR	Makris et al. "Effect of a comprehensive infection control program on the incidence of infections in long-term care facilities" <i>AJIC Am. J. Infect. Control</i> 28:3-7 (2000)

*Examiner	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.



INFORMATION DISCLOSURE CITATION		APPLN. NO. <u>10/553,816</u>	ATTY. DKT. NO. <u>227-159</u>
		APPLICANT <u>SUOMALAINEN et al.</u>	GROUP
(Use several sheets if necessary)		FILING DATE <u>May 3, 2005</u>	Not Known
<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)</b>			
AR	McGroarty "Probiotic use of lactobacilli in the human female urogenital tract" FEMS Immunol. Med. Microbiol. 6:251-264 (1993)		
BR	Meurman et al. "Recovery of <i>Lactobacillus</i> strain GG (ATCC 53103) from saliva of healthy volunteers after consumption of yoghurt prepared with the bacterium" Microbial Ecology in Health and Disease 7:295-298 (1994)		
CR	Nagura "Mucosal defense mechanism and secretory IgA system" Bifidobact. Microfl. 9:17-25 (1990)		
DR	Närhi et al. "Salivary yeasts, saliva, and oral mucosa in the elderly" J. Dent Res. 72:1009-1014 (1993)		
ER	Närhi et al. "Saliva, salivary micro-organisms, and oral health in the home-dwelling old elderly: A five-year longitudinal study" J. Dent Res. 78:1640-1646 (1999)		
FR	Negretti et al. "Researches on the intestinal and systemic immunoresponses after oral treatments with <i>Lactobacillus</i> GG in the rabbit" Dev. Physiopath. Clin. 7:15-21 (1997)		
GR	Orr et al. "Febrile urinary infection in the institutionalized elderly" Am. J. Med. 100:71-77 (1996)		
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JR	Perdigon et al. "Sysmposium: Probiotic bacteria for humans: Clinical systems for evaluation of effectiveness" J. Dairy Sci. 78:1597-1606 (1995)		
KR	Redondo-Lopez et al. "Emerging role of <i>Lactobacilli</i> in the control and maintenance of the vaginal bacterial microflora" Rev. Infect. Dis. 12:856-872 (1990)		
LR	Reid et al. "Influence of lactobacilli on the adhesion of <i>Staphylococcus aureus</i> and <i>Candida albicans</i> to fibers and epithelial cells" J. Ind. Microbiol. 15:248-253 (1995)		
MR	Saxelin " <i>Lactobacillus</i> GG – a human probiotic strain with thorough clinical documentation" Food Rev. Int. 13:293-313 (1997)		
NR	Scannapieco "Role of oral bacteria in respiratory infection" J. Periodontol. 70:793-802 (1999)		
OR	Shalev et al. "Ingestion of yogurt containing <i>Lactobacillus acidophilus</i> compared with pasteurized yogurt as prophylaxis for recurrent candidal vaginitis and bacterial vaginosis" Arch. Fam. Med. 5:593-596 (1996)		
PR	Shay et al. "Oropharyngeal candidosis in the older patient" J. Am. Geriatr. Soc. 45:863-870 (1997)		
QR	Sieber et al. " <i>Lactobacillus acidophilus</i> and yogurt in the prevention and therapy of bacterial vaginosis" Int. Dairy J. 8:599-607 (1998)		
RR	Silva et al. "Antimicrobial substance form a human <i>Lactobacillus</i> strain" Antimicr. Agents and Chemoth. 31:1231-1233 (1987)		
SR	Simons et al. "The effect of chlorhexidine/xylitol chewing-gum on cariogenic salivary microflora: A clinical trial in elderly patients" Caries Res. 31:91-96 (1997)		
TR	Suomalainen et al. "Propionic acid bacteria as protective cultures in fermented milks and breads" Lait 79:165-174 (1999)		
UR	Wagner et al. "Probiotic effects of feeding heat-killed <i>Lactobacillus acidophilus</i> and <i>Lactobacillus casei</i> to <i>Candida albicans</i> -colonized immunodeficient mice" J. Food Protection 63:638-644 (2000)		
VR	Wilkieon et al. "Oral candidosis in the elderly in long term hospital care" J. Oral Pathol. Med. 20:13-16 (1991)		
WR			
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